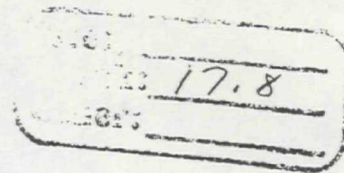


ENVIRONMENTAL PROTECTION AGENCY  
REGION IV  
SURVEILLANCE AND ANALYSIS DIVISION  
ATHENS, GEORGIA 30601



August 3, 1979

REF: 4SA-LS

Mr. Thomas C. Kurimcak  
South Carolina Department of  
Health & Environmental Control  
EQC - Rm. 415  
2600 Bull Street  
Columbia, SC 29201

Dear Tom:

We have completed work on the following samples that you delivered to us on Friday, July 27, 1979:

<u>EPA Lab No.</u>	<u>Type Sample</u>	<u>South Carolina Station No.</u>
79C1827	Liquid	SW-012
79C1828	Liquid	SW-013
79C1829	Sediment	SW-014
79C1830	Sediment	SW-015
79C1831	Liquid	SW-262
79C1832	Liquid	SW-265

We initially attempted a head-space analysis by placing 1 ml of the liquid samples and 1 gram of the sediment samples into VOA bottles. These were heated to 80°C and then 500 ul of head space was injected into a GC/MS system from samples SW-012 (bottom layer), SW-013, and SW-262. Sample Station No. SW-012 had two layers, and they were treated separately. Being unable to detect any compounds at significant concentrations, we then attempted a purge-and-trap technique with GC/MS on Station Nos. SW-012 (top layer), SW-013, and SW-262.

The only significant concentrations found were acetone estimated at 500-1,000 ug/l in SW-262 and 1,1,1-trichloroethane at 11 ug/l in SW-013. No other compounds were detected at greater than 5 ug/l in these two samples.



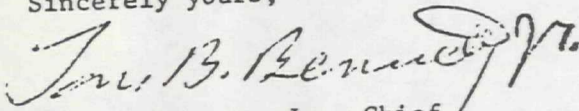
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Sample No. SW-012 (top layer) had a detection limit of 200 ug/l with no compounds detected greater than this concentration. Sample No. SW-265 was lost due to a crack in the sample container. The sediment samples were not analyzed.

All samples will be held in our laboratory until we get word from you as to disposition.

If there are any questions, please call me.

Sincerely yours,



Tom B. Bennett, Jr., Chief  
Analytical Services Section  
Laboratory Services Branch

RECEIVED  
AUG 7 1979  
S. C. DEPT. OF HEALTH AND  
ENVIRONMENTAL CONTROL  
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